

Japanese Laid-open Patent

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Applicant:

CANON INC.

Specification

1. Title of the Invention Optical Modulating Element and Method of
Manufacturing the Same

2. Scope of Claims

(1) An optical modulating element having a liquid substance capable of optical modulation between a pair of parallel substrates, characterized by comprising a plurality of band-shaped spacers having conduction ports between the pair of parallel substrates.

(2) A method of manufacturing an optical modulating element in which a plurality of band-shaped spacers having conduction ports are disposed between a pair of parallel substrates, characterized by comprising:

a step of manufacturing an empty cell by sealing vicinities between the pair of parallel substrates except a portion serving as an injection port;

a step of disposing a liquid substance capable of optical modulation in the injection port formed in the empty cell after placing the empty cell under a reduced pressure; and

a step of making an air pressure outside the empty cell greater than the air pressure within the empty cell, and injecting the liquid substance capable of optical modulation, which is disposed covering the injection port of the empty cell, through